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A Competitive Chromogenic Assay to Study the Functional Interaction of Urokinase-Type Plasminogen Activator with Its Receptor, *376* 587–594

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Koppitz, M., Lottspeich, F., König, B., Pessara, U., Kramer, M.D., Schmitt, M. and Magdolen, V.
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Probing the Presumed Catalytic Triad of Selenium-Containing Peroxidases by Mutational Analysis of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx), *376* 651–660

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Identification by Affinity Chromatography of Boar Sperm Membrane-Associated Proteins Bound to Immobilized Porcine Zona Pellucida. Mapping of the Phosphorylethanolamine-Binding Region of Spermadhesin AWN, *376* 733–738

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Trypsin
Manjabacas, M.C., Valero, E., García-Moreno, M. and Varón, R.
Kinetic Analysis of an Autocatalytic Process Coupled to a Reversible Inhibition: The Inhibition of the System Trypsinogen-Trypsin by *p*-Aminobenzamidine, *376* 577–580
Murray, C. and Christeller, J.T.
Purification of a Trypsin Inhibitor (PFTI) from Pumpkin Fruit Phloem Exudate and Isolation of Putative Trypsin and Chymotrypsin Inhibitor cDNA Clones, *376* 281–287

Tubulin
Nakamura, K., Shigaki, Y. and Takaya, C.
Proteolysis of Tubulin Isotypes within *Tetrahymena* Axonemes, *376* 729–732

Urokinase
Rettenberger, P., Wilhelm, O., Oi, H., Weidle, U.H., Goretzki, L., Koppitz, M., Lottspeich, F., König, B., Pessara, U., Kramer, M.D., Schmitt, M. and Magdolen, V.
A Competitive Chromogenic Assay to Study the Functional Interaction of Urokinase-Type Plasminogen Activator with Its Receptor, *376* 587–594

Urokinase receptor
Behrendt, N., Rønne, E. and Danø, K.
The Structure and Function of the Urokinase Receptor, a Membrane Protein Governing Plasminogen Activation on the Cell Surface, *376* 269–279

Ustilago maydis
Schauwecker, F., Wanner, G. and Kahmann, R.
Filament-Specific Expression of a Cellulase Gene in the Dimorphic Fungus *Ustilago maydis*, *376* 617–625

VDAC
Jürgens, L., Kleineke, J., Brdiczka, D., Thinnes, F. P. and Hilschmann, N.
Localization of Type-1 Porin Channel (VDAC) in the Sarcoplasmatic Reticulum, *376* 685–689

Vespertilionidae
Singer, G.A.M., Kleinschmidt, T. and Braunitzer, G.
The Primary Structure of the Hemoglobin from the Lobe-Lipped Bat (*Chalinolobus morio*, Microchiroptera), *376* 603–609

Virus protease
Brömme, D. and Okamoto, K.
The Baculovirus Cysteine Protease Has a Cathepsin B-like S2-Subsite Specificity, *376* 611–615

Viruses
Hofmann, C., Sandig, V., Kirillova, I., Jennings, G., Rudolph, M., Schlag, P. and Strauss, M.
Hepatocyte-Specific Binding of L/S-HBV Particles Expressed in Insect Cells, *376* 173–178

Peyman, A., Helsberg, M., Kretzschmar, G., Mag, M., Grabley, S. and Uhlmann, E.
Inhibition of Viral Growth by Antisense Oligonucleotides Directed against the IE110 and the UL30 mRNA of Herpes Simplex Virus Type-1, *376* 195–198

Visual cortex
Löhrke, B., Franz, H., Brose, R. and Klein, M.
Alterations in the Visual Cortex Receptor Pattern by Operant Conditioning in a Reward Paradigm, *376* 483–493

Vitamin B_{12}
Endres, B., Würfel, A., Vogler, B. and Renz, P.
7-Azabenzimidazolylcobamide and 5,6-Dimethyl-7-Azabenzimidazolylcobamide, New Vitamin B_{12}-Analogs Synthesized from 4(5)-Aminoimidazole by *Eubacterium limosum*, *376* 595–601

VPF
Pötgens, A.J.G., Westphal, H.R., de Waal, R.M.W. and Ruiter, D.J.
The Role of Vascular Permeability Factor and Basic Fibroblast Growth Factor in Tumor Angiogenesis, *376* 57–70

Zinc finger
Tsiboli, P. and Choli, T.
Studies on S14 Protein from *Thermus thermophilus* Possessing Zinc Finger-Like Motifs, *376* 127–130

Zymogens
Manjabacas, M.C., Valero, E., García-Moreno, M. and Varón, R.
Kinetic Analysis of an Autocatalytic Process Coupled to a Reversible Inhibition: The Inhibition of the System Trypsinogen-Trypsin by *p*-Aminobenzamidine, *376* 577–580.